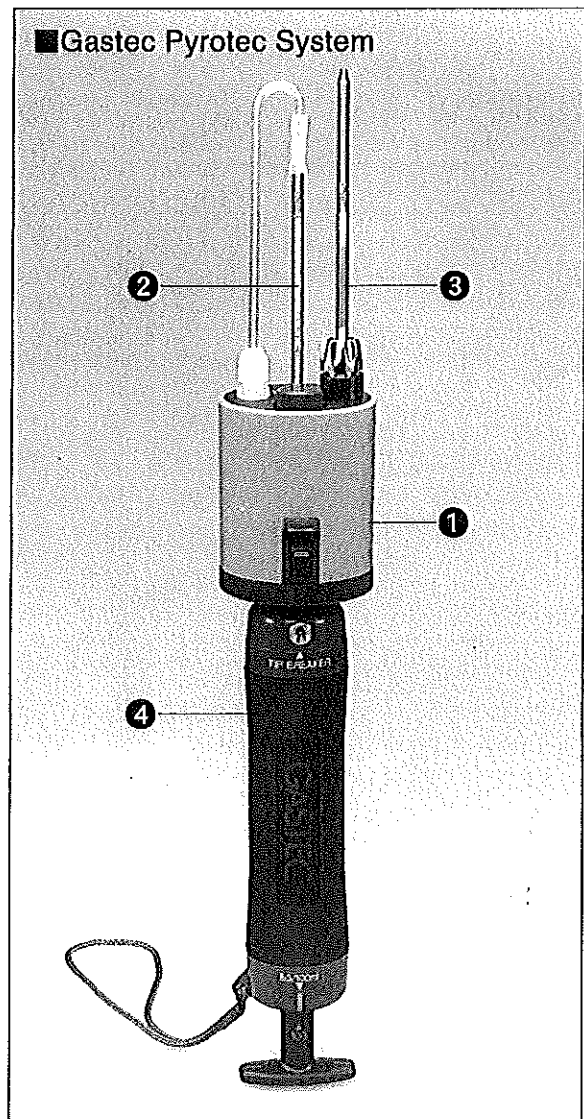


Pyrotec Pyrolyzer System (Gastec Pyrotec System)

Fluorochlorocarbons have been linked to ozone depletion in the upper atmosphere, yet they have been used in a wide assortment of industries because of excellent properties such as incombustibility, chemical stability, and insulation capability. Conventionally, measurements of these gases have required expensive equipment and skilled specialists. The Gastec Pyrotec System has made this monitoring easy and economical by combining detector tube technology and a portable pyrolyzer. For a detailed description of its operation and maintenance, see the instruction sheet provided with the system.

• Features

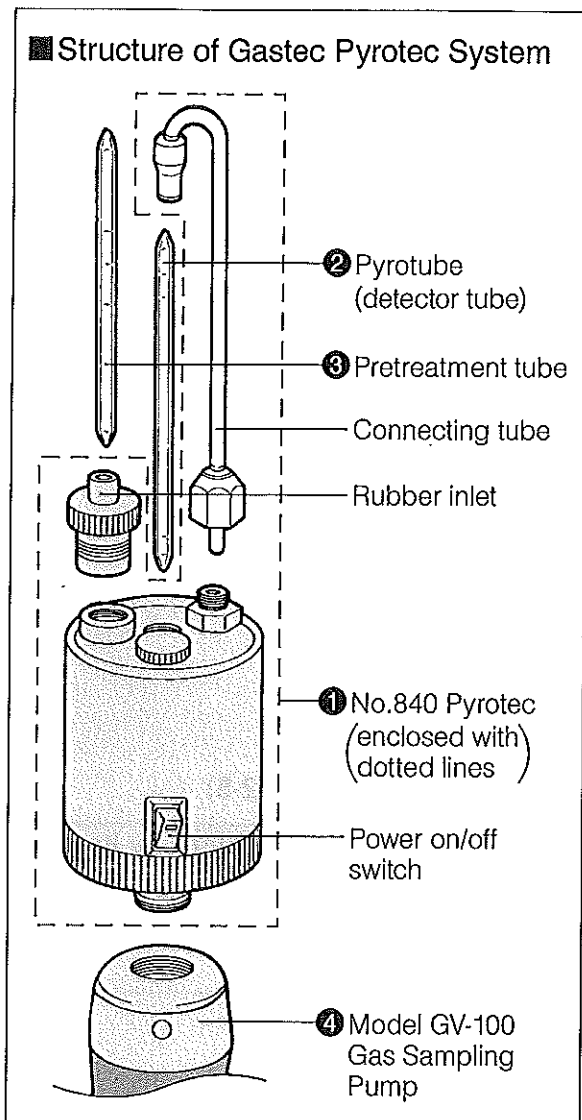
- Fast, accurate, and easy measurements on the spot
- A variety of applications including measurements at the gas generating sources to confirm gas concentrations or at workplaces to detect gas leakage.



■ Gastec Pyrotec System configuration

Components	Quantity	Remarks
No.840 Pyrotec (Photo ①)	1	Portable pyrolyzer
Pyrotubes (Photo ②)	5	10 tubes are packaged in a box
Pretreatment tubes (Photo ③)	5	Five kinds of Pyrotubes are available. (Nos. 51H, 51, 51L, *52, 53)
Model GV-100. Gas Sampling Pump (Photo ④)	1	Optional. Available as the Model GV-100S Gas Sampling Pump Kit.
Instruction sheet	1	

* Pretreatment tubes are not included



Measurement principle

When the handle of the Gas Sampling Pump is pulled, fluorochlorocarbons or halogenated hydrocarbons in the sample will first ① pass through the pretreatment tube where interfering organic vapours are removed and then ② enter into the Pyrotec where they are thermally decomposed into substances that can be easily measured by the Pyrotube, and finally ③ enter into the Pyrotube where the by-products of the pyrolysis react chemically with the reagent.

Pyrotube specifications

There are five kinds of Pyrotubes (No.51H, No.51, No.51L, No.52, No.53). Their specifications are given in the following pages. Explanations of the specification items are the same as those for the Gastec standard detector tubes (see page 2-2).

No.840 Pyrotec specifications

Battery life	Approx. 2 hours (for continuous use)
Filament life	For 1000 measurements in case of trichlorotrifluoroethane (R113) (6000 ppm)
Warm-up time	2 minutes
Ambient temperature	0 to 40°C (32 to 104°F)
Power supply	"AA" size battery × 4
Dimensions: diameter × length	68mm × 150mm (2.6 in × 5.9 in)
Weight (including 4 batteries)	245g (0.5 lb)

